

**Position Title: Close Range Photogrammetrist
(Entry/ Junior or Mid Level position)**

Location: NASA Johnson Space Center (JSC), Houston, Texas

Degree Requirement: B.S. or M.S. in Photogrammetry, Geomatics, Surveying, Computer Vision, or related field. Coursework in photogrammetry and adjustment theory and one or more of the following: surveying, image processing, remote sensing, industrial measurement, and CAD usage; is required.

Special Requirements: Understanding of conceptual principles and mathematics of photogrammetry is required. Experience developing non-linear adjustment techniques is a plus. Candidate must have good written and oral communications skills and the confidence to prepare and present oral presentations to planning, and review boards.

Most importantly; the successful candidate must have good problem solving skills, and the ability to conceptualize “out-of-the-box” techniques for performing precision measurement tasks, from remotely acquired digital still and video imagery. The candidate must also have a detailed eye for planning and implementing the measurement task, as well as the creativity and flexibility to alter the plan as conditions change. The candidate must be confident in the use of PC computers and have the ability to quickly learn new software in order to produce the agreed upon results within a specified time period.

Experience: Close-range photogrammetry or industrial measurement, image processing, experience using CAD and some field experience collecting imagery, or office experience producing 3D models using either stereo or convergent photogrammetric techniques, are preferred, but not absolutely required.

Job Duties: When fully trained, the successful candidate will work in a predominately production oriented environment in which they will, either individually or as part of a team, design and implement close range photogrammetry tasks of on-orbit structures. The successful candidate will make measurements for both pre-planned tasks and near-real time operations, producing results which are used by engineers and management to support design, testing and safe operation of NASA space vehicles such as the Space Shuttle, International Space Station, Orion Crew Vehicle and Heavy Lift Rocket. Travel may be required once or twice a year. Occasional weekend, night or holiday work required.

Work will be in NASA's Image Science and Analysis Laboratory at the Johnson Space Center under the direction of senior photogrammetrists. Software packages used for image analyses include MATLAB, FotoG convergent photogrammetry software, Cardinal Stereo photogrammetry software, Trackeye, ISee, Word, Excel, PowerPoint.

United States Citizenship, Drug Screening and Background Check Required

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